



# भारत का राजपत्र

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No. 36]

NEW DELHI, SATURDAY, SEPTEMBER 8, 1973 (BHĀDRA 17, 1895)

इस भाग में जिस पृष्ठ संख्या दी जाती है जिससे कि पहला संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और विकासनामों से सम्बंधित अधिसूचनाएं और नोटिस

## Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 8th September, 1973

## CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 9th December 1972 in page 370, Column 2 under the head "Application for Patents filed at the Patent Office (Madras Branch)".

for 91/Bom-1972 read 31/Mas-1972.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

## APPLICATION FOR PATENTS FILED AT HEAD OFFICE

18th August 1973

1909/Cal/73. Bowater Packaging Limited. Improvements in or relating to containers. (18th August 1972).

1910/Cal/73. Creusot-Loire. Apparatus for the shelling of vegetable products.

1911/Cal/73. General Signal Corporation. Pressure sensing probe.

1912/Cal/73. Prodcuts Chimiques Ugine Kuhlmann. Improvements in and relating to catalysts.

20th August 1973

1913/Cal/73. Fisons Limited. Pesticide. (22nd August 1972).

1914/Cal/73. Bayer Aktiengesellschaft. A process for the production of an N-trityl-midazole. [Divisional date 21st August 1968.]

1915/Cal/73. Verenigde Bedrijven Tankfabriek-Koelman N. V. Fluid actuated vibratory device.

1916/Cal/73. Federal-Mogul Corporation. Preloading and sealing system for clutch bearings.

1917/Cal/73. K. Kumar. Pigmentless white paint.

1918/Cal/73. H. P. Barthakur. A permeameter device to measure hydraulic conductivity on soil core

21st August 1973

1919/Cal/73. Imperial Chemical Industries Limited. Laces and granules of thermoplastic polymers and their production. (24th August 1972).

1920/Cal/73. Pfizer Corporation. Process for preparing 2-amino and 4-aminoquinazolines. (9th September 1972).

1921/Cal/73. S. A. Telecommunication; Radioelectriques Et Telephoniques T.R.T. Arrangement for the transmission of information of information signals by pulse code modulation.

1922/Cal/73. Combustion Engineering, Inc. Rotary regenerative air heater for heating plural air streams.

1923/Cal/73. Combustion Engineering, Inc. Gate valve.

1924/Cal/73. The Benfield Corporation. Separation of Co<sub>2</sub> from gas mixtures.

1925/Cal/73. Siemens Aktiengesellschaft. Production of gas-tight connections to crystalline silicon or silicon carbide components. (7th March 1973).

1926/Cal/73. George Tebbetts Shutt. Corrosion inhibiting coating.

1927/Cal/73. A. Davar. Curtain ring.

1928/Cal/73. A. M. Roy. A device for pumping water from a tube-well.

1929/Cal/73. R.S. Chhatwal. Improvements in or relating to the bumper of an automobile (motor car).

22nd August 1973

1930/Cal/73. The Iouas Electrical Company Limited. Electrical switches. (2nd September 1972).

1931/Cal/73. Dunlop Limited. Improvements in or relating to pneumatic tyres. (2nd September 1972).

1932/Cal/73. Naturvard Research (Canada) Ltd., Sensor-eye for ultra-violet water sterilizer. (23rd August 1972).

1933/Cal/73. G. Francis. Improvements in or relating to tea.

1934/Cal/73. Parks-Cramer Company. Apparatus and method for severing textile fabric.

1935/Cal/73. Siemens Aktiengesellschaft. Electromagnetic switchgear. (25th August 1972).

1936/Cal/73. Burroughs Corporation. A hierarchical method for ordering and retrieving information from an addressable computer memory. (20th July, 1973.)

23rd August 1973

1937/Cal/73. Process Evaluation and Development Corporation. Cleaning apparatus and method.

1938/Cal/73. Ciba-Geigy Ag., New modifications of a diazo pigment.

1939/Cal/73. Macneill & Barry Limited. Improvements in or relating to electric fans.

1940/Cal/73. Fitzwilson Limited. Production of hydrogen fluoride. (24th August 1972).

1941/Cal/73. The Udylite Corporation. Process for charging the battery. [Divisional date 8th June 1971]

1942/Cal/73. Malhotra Export House Private Limited. Blade unit holder.

1943/Cal/73. Malhotra Export House Private Limited. Dispenser for blade units.

1943/Cal/73. Malhotra Export House Private Limited. Blade unit.

1945/Cal/73. G. N. Maslyansky, B.B. Zharkov and S.A. Barkan. Naphtha reforming catalyst.

1946/Cal/73. I.L. Khokhlova, V.U. Novikov, I.D. Troitsky and N. I. Vasjukova. Polymeric composition on the basis of polyolefins.

24th August 1973

1947/Cal/73. R.S. Yadav. Double life electric lamp.

1948/Cal/73. D. Wankhar. Genuine decorative butterflies.

1949/Cal/73. C.A.V. Limited. Flashing lamp circuits. (31st August 1972).

1950/Cal/73. The Lucas Electrical Company Limited. Battery Charging systems. (1st September, 1972).

1951/Cal/73. The Bauer Bros. Co., Dewatering and classifying screen unit. (11th June 1973).

1952/Cal/73. Crawford Brown Murton. A method of applying a refractory lining to a metallurgical containment.

1953/Cal/73. Ruti Machinery Works Ltd. Temple roller.

1954/Cal/73. Rca Corporation. A method of assembling a semiconductor device. [Divisional date 8th March 1972]

1955/Cal/73. Siemens Aktiengesellschaft. An electrical switching device.

1956/Cal/73. Heavy Engineering Corporation Ltd., Coal charging car.

APPLICATION FOR PATENTS FILED AT PATENT OFFICE (BOMBAY BRANCH).

16th August 1973

267/Bom/73. Philips India Limited. A strip lamination ballast.

17th August 1973

268/Bom/73. R.D. Panse. Improved device for hanging clothes.

269/Bom/73. Hindustan Lever Limited. Detergent composition. (22nd August 1972 and 23rd January 1973).

270/Bom/73. Electronic Laboratories International, Inc. Diode rectifier socketed electrical devices and diode rectifiers therefor.

271/Bom/73. Smt. Rakha Gupta. Domestic washing machine for clothes (a new concept in design).

18th August 1973

272/Bom/73. Hoechst Pharmaceutical Limited. Magnesidin, its magnesium-free form and a process for its preparation.

APPLICATION FOR PATENTS FILED AT PATENT OFFICE (MADRAS BRANCH).

18th August 1973

116/Mas/73. T.K. Srinivasan. Low pressure steam generator for cooking foods.

21st August 1973

117/Mas/73. Mrs. Venkataramani Rajalakshmi. Permanent plastic pencil.

22nd August 1973

118/Mas/73. J.T. Kallukaren and P.M. John. Furniture made of kraft paper.

119/Mas/73. M.S. Nagaraja. Image printing on textiles by mordant or azoic dyestuff process.

ALTERATION OF DATE

135436(1391/Cal/73). Ante-dated to 27th July 1971.

135438(1637/Cal/73). Ante-dated to 22nd September 1971.

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents or any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F<sub>1</sub> 84827

N-HALOACYL-1 : 2-DIPHENYLETHYLAMINES,  
COUNCIL OF SCIENTIFIC AND INDUSTRIAL  
RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 84827 filed October 29, 1962.

1 Claim.

A process for the preparation of N-haloacyl-1 : 2-diphenylethylamine derivatives represented by formula (I) of the accompanying drawings wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> denote H, chloro, alkyl, alkoxy or alkylane dioxy radicals containing from 1 to 6 carbon atoms, X represents H or alkyl groups from 1 to 6 carbon atoms, Y stands for an aliphatic alkylene straight or branched chain containing 1 to 6 carbon atoms, the process comprising interaction of the appropriate 1, 2-diphenylethylamine represented by formula (II) of the accompanying drawings (wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and X have the same meanings as above) with a suitable haloacyl halide represented by formula (III) (where Y has the same meaning as above) in dilute aqueous alkali such as sodium or potassium hydroxide at temperatures ranging from -5 to +10°C, or by refluxing in a solvent such as methylenechloride, acetone, benzene or toluene for a suitable length of time generally varying from 1 to 3 hours.

CLASS 32F<sub>1</sub> 95178

PROCESS FOR THE PRODUCTION OF 3, 5-DICHLORO-2, 6-DIMETHYL-4-PYRIDINOL.

THE DOW CHEMICAL COMPANY, AT MIDLAND,  
MICHIGAN, UNITED STATES OF AMERICA.

Application No. 95178 filed August 12, 1964.

1 Claim.

Process for the production of 3, 5-dichloro-2, 6-dimethyl-4-pyridinol which comprises reacting 2, 6-dimethyl-4-pyridinol with chlorine at a temperature within the range of from 15 to 100°C.

CLASS 32F<sub>2</sub>b.

112530

A PROCESS FOR THE PREPARATION OF 0, 0'-DIMETHYLHAYATIN DIMETHOCHLORIDE.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL  
RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 112530 filed September 27, 1967.

2 Claims—No drawings.

A process for the preparation of 0, 0'-dimethylhayatin methochloride, starting from hayatin or hayatinin, or their mixture, completely methylating their hydroxy groups using trimethylaluminum hydroxide as the methylating agent, quaternising the product with methyl iodide, and converting the 0, 0'-dimethyl hayatin dimethiodide thus obtained, to the required dimethochloride by exchanging the iodide ion for a chloride ion by the use of an ion-exchange resin.

CLASS 40C + F, 132B<sub>2</sub> and 148L. 130636

A METHOD OF MIXING AND/OR MAKING TO  
REACT SUBSTANCES BY MIXING IN A LIQUID  
MEDIUM

AGFA-GEVAERT N. V. FORMERLY KNOWN AS  
GEVAERT-AGFA N. V. OF 27, SEPTESTRAAT,  
B 2510 MORTSEL, BELGIUM.

Application No. 130636 filed March 19, 1971.

Convention date April 3, 1970 (15950/70) U.K.

33 Claims.

A method of mixing and/or making to react substances by mixing in a liquid medium characterized in that a plurality of liquids that contain ingredients which form by mixing a disperse or discontinuous phase are used and characterized in that the liquids to be mixed are continuously introduced into a passageway wherein over the whole transverse cross-section the feed liquids are maintained in continuous flow away from the feed point or feed points and within which the liquid mass flowing through said passageway is subjected to forces creating turbulence throughout substantially its entire volume.

CLASS 32F-2a, 2b and 2c. 130845

PROCESS FOR THE PREPARATION OF FUNGI-  
CIDAL SUBSTITUTED ACETAMIDE S-OXIDES  
AND THEIR DERIVATIVES.

E. I. DU PONT DE NEMOURS AND COMPANY,  
AT WILMINGTON, DELAWARE, U.S.A.

Application No. 130845 filed April 5, 1971.

13 Claims.

A method of preparing a compound of the formula I wherein R<sup>1</sup> is alkyl of 1 through 12 carbon atoms; alkyl of 3 through 12 carbon atoms substituted with 1 chlorine atom, alkenyl of 3 through 4 carbon atoms; cycloalkyl of 3 through 8 carbon atoms; cycloalkenyl of 5 through 8 carbon atoms; cycloalkylalkyl of 6 through 7 carbon atoms; phenyl;

$\overset{\overset{\bullet}{\text{H}}}{\text{benzyl}} - \text{CH}_2\text{COR}^7$ , wherein R<sup>7</sup> is alkyl of 1 through 6 carbon atoms; or group of formula A wherein: R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are as defined below, p is 0, 1, or 2, and R<sup>8</sup> is phenylene, xylene, or alkylene of 2 through 18 carbon atoms; R<sup>2</sup> and R<sup>3</sup> are each separately selected from the group consisting of hydrogen; alkyl of 1 through 12 carbon atoms; alkenyl of 3 through 4 carbon atoms; cycloalkyl of 3 through 10 carbon atoms; cycloalkenyl of 5 through 8 carbon atoms; cycloalkylalkyl of 6 through 7 carbon atoms; phenyl; or benzyl; with the provisos that (1) only one of R<sup>2</sup> and R<sup>3</sup> can be hydrogen, phenyl, or benzyl, and (2) the sum of carbon atoms in R<sup>2</sup> and R<sup>3</sup> can total no more than 12, except there both R<sup>2</sup> and

$R^3$  are alkyl;  $R^2$  and  $R^3$  taken together, along with the nitrogen atom to which they are attached, are a ring containing one nitrogen atom and 2 through 6 carbon atoms; or are a morpholino ring;  $R^4$  is hydrogen; or O

$C-R^6$  or group of formula B wherem  $R^5$  is alkyl of 1 through 8 carbon atoms; propargyl; alkenyl of 3 through 4 carbon atoms; benzyl, phenyl; or phenyl substituted with 1 or 2 substituents selected from halogen, nitro, methoxy, and methyl;  $R^6$  is alkyl of 1 through 11 carbon atoms; alkyl of 1 through 11 carbon atoms substituted with up to three substituents selected from chlorine, bromine, fluorine, or with up to 2 substituents selected from alkoxy of 1 through 2 carbon atoms, or with one alkoxy carbonyl of 2 through 3 carbon atoms; cycloalkyl of 3 through 8 carbon atoms; alkenyl of 2 through 6 carbon atoms; cycloalkenyl of 4 through 8 carbon atoms; bicycloalkenyl of 7 through 10 carbon atoms; cycloalkenylalkyl of 5 through 11 carbon atoms; cycloalkylalkyl of 4 through 11 carbon atoms; bicycloalkyl of 7 through 9 carbon atoms; adamantyl; benzyl; alkoxy of 1 through 4 carbon atoms, alkoxy of 1 through 4 carbon atoms substituted with one bromine or chlorine, or with one alkoxy of 1 through 2 carbon atoms, or with one alkoxy carbonyl of 2 through 3 carbon atoms; and n is 1 or 2, which comprises oxidizing using oxidizing agents, a sulfide of the formula II, wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are as defined before except that when  $R^1$  is a group of formula A, B is 0 and  $R_2$ ,  $R_3$ ,  $R_4$  and  $R_5$  are as defined before.

CLASS 27L 131250

IMPROVEMENTS IN RODS FOR REINFORCED CONCRETE.

JOSE ANTONIC IRIBAS SUAREZ DE OTERO. OF PLAZA CONDE VALLE SUCHILL 15, MADRID 15, SPAIN.

Application No. 131250 filed May 5, 1971.

11 Claims.

A reinforcing rod for concrete, comprising a nucleus of substantially circular cylindrical form, the nucleus having arranged upon its surface four longitudinal fins in two diametrically opposed pairs in planes perpendicular to each other and two series of transverse ribs inclined to the axis of the rod, characterized in that the centres (mid-points) of the transverse ribs of one series intersecting one of the fins, and the centres (mid-points) of the transverse ribs of the other series intersecting the fin diametrically opposite said one fin, both series of ribs being arranged such that they do not contract the remaining pair of fins.

CLASS 98H and 105B+C+D. 131307

AUTOMATIC TEMPERATURE CONTROL DEVICE. SCIENTIFIC REPAIRS & TRADING CO. PRIVATE LIMITED, OF 13, CANAL STREET, CALCUTTA-14, STATE OF WEST BENGAL, INDIA.

Application No. 131307 filed May 11, 1971.

4 Claims.

An automatic temperature control device which in conjunction with hydraulically temperature indicating/recording or controlling instruments provides more precise control than the known on/off control device and comprising a first volume chamber and a second volume chamber, an operating capillary tube connecting the medium the heating of which is to be controlled to the first volume chamber and a compensating capillary tube connecting the said medium to the second volume chamber, said chambers being in turn connected to two arms of a lever through respective bellows, the lever actuating a pointer and switching on or off a relay which in turn switches on or off, a process heater heating the said medium characterised in that said first chamber is

provided with an accelerating heater and a first drift compensating heater separated from the said first volume chamber by a heat insulating material, said second volume chamber being provided with a reversing heater and a second drift compensating heater separated from said second volume chamber by a heat insulating material, the said heaters being connected to the said relay such that when the process heater is on the said accelerating heater and second drift compensating heater are on and when process heater is off the said reversing heater and first drift compensating heater are on.

CLASS 32B.

131469

PROCESS FOR THE ISOMERIZATION OF ALKYL-AROMATIC HYDROCARBONS.

SHELL INTERNATIONALE RESEARCH MAATS-CHAPPIJ N. V., OF 30, CAREL VAN BYLANDT-LAAN, THE HAGUE, THE NETHERLANDS.

Application No. 131469 filed May 24, 1971.

Convention date May 26, 1970 (25,091/70) U.K.

15 Claims—No drawings.

Process for the isomerization of alkylaromatic hydrocarbons which process comprises contacting a mixture of (a) alkylaromatic hydrocarbons of which the alkyl groups contain from one to four carbon atoms, (b) hydrogen and (c) steam in an amount ranging from 100 to 1500 parts per million (volume), calculated on hydrogen plus hydrocarbons, in an isomerization section at a temperature below 440°C with a catalyst comprising an acidic refractory oxide as herein described and a hydrogenating/dehydrogenating metal component, as herein described.

CLASS 87C.

131491

A SPORTS STRIKING INSTRUMENT E.G. A HOCKEY STICK OR GOLF CLUB.

INPLAST HANDELSGESELLSCHAFT MBH. OF 6 FRANKFURT AM MAIN, ESCHERSHEIMER LANDSTRASSE 516, GERMAN FEDERAL REPUBLIC OF GERMANY.

Application No. 131491 filed June 23, 1971.

8 Claims.

A sports striking instrument for example a hockey stick or a golf club of plastic material characterised in that it is made in one piece from synthetic thermoplastic material provided with fillers and provided entirely or in part with inserts of a material having physical characteristics different from those of said thermoplastic material for modifying stability and damping characteristics of the said instrument.

CLASS 33F and 129R.

131603

A METHOD FOR RECONDITIONING CRACKED AND/OR REJECTED INGOT MOULDS AND SLAG POTS.

HINDUSTAN MISCELLANEOUS ENTERPRISES, OF 1/C, HEYSHAM ROAD, CALCUTTA-20, WEST BENGAL, INDIA.

Application No. 131603 filed June 4, 1971.

6 Claims—No drawings.

A method of reconditioning cracked and/or rejected ingot moulds and slag pots, which comprises cutting a groove around the cracked area, polishing the groove so cut, drilling holes therein, fitting the holes with metal pieces and thereafter electrode welding the faces of the groove.

CLASS 116C and 200A.

131633

## CIRCULAR ELEVATOR.

PUTHENVEETIL VARKEY GEORGE, PUTHENVEETIL, CHOTTANIKARA P.O., VIA COCHIN, KERALA STATE, INDIA.

Application No. 131633 filed June 7, 1971.

7 Claims.

A circular elevator as exhibited as fig. 1 & 2 in sheet 1 and fig. 5 & 6 in sheet 2 of the accompanying drawings which consists of a ring that rotates about its centreline (which is at right angles to the plane of the ring) and having receptacles (such as buckets or flights) fixed on the interior face or the sides of the ring in such a way as to move materials of any form between solids and liquids (say lumpy, powdery, in the form of granules, prills, pills, pellets, slurries or liquid) in the vertical plane of the ring with an object of delivering it to a higher elevation from the point at which it is delivered to the receptacles of the elevator.

CLASS 98I and 99E.

131707

A METHOD FOR CONSTRUCTING A CONTAINER FOR FLUIDS TO BE HEATED BY SOLAR ENERGY AND A CONTAINER SO PRODUCED.

CHRISTOPHER EDWARD DAVIES, OF 35. CHURCHILL WAY, ALEXANDER PARK, SALISBURY, RHODESIA.

Application No. 131707 filed June 14, 1971.

8 Claims.

A method for the construction of a container for fluid to be heated by solar energy including the steps of joining a pair of sheets of mouldable material to make a fluid-tight seal along their common peripheries; joining the sheets together at predetermined points within their peripheries; forming an inlet between the sheets and introducing through the inlet a fluid under pressure to distend the sheets and exhausting the fluid after distention is completed.

CLASS 72B.

131803

AMMONIUM NITRATE—FUEL OIL COMPOSITIONS AND PROCESS FOR THEIR PREPARATION.

ICI AUSTRALIA LIMITED, FORMERLY KNOWN AS IMPERIAL CHEMICAL INDUSTRIES OF AUSTRALIA AND NEW ZEALAND LIMITED, OF 1 NICHOLSON STREET, MELBOURNE, VICTORIA, AUSTRALIA.

Application No. 131803 filed June 19, 1971.

26 Claims.

Ammonium nitrate fuel oil compositions of matter wherein the ammonium nitrate is in the form of ammonium nitrate prills of which between 15% w/w and 90% w/w of the ammonium nitrate prills contained therein have an oil porosity, as hereinbefore defined, of more than 5 grams of oil per 100 grams of ammonium nitrate and between 10% w/w and 85% w/w of the ammonium nitrate prills contained therein have an oil porosity as hereinbefore defined of less than 2 grams of oil per 100 grams of ammonium nitrate.

CLASS 34A and 136E.

131905

RESILIENT POLYVINYL CHLORIDE SHEET MATERIAL AND PROCESS FOR FORMING THE SAME.

ROYALTY DESIGNS OF FLORIDA, INC. AT 601 W. 27TH STREET, HIALEAH, FLORIDA, UNITED STATES OF AMERICA.

Application No. 131905 filed June 29, 1971.

7 Claims—No drawings.

A quivery resilient polyvinyl chloride sheet material having plasticizer-to-resin ratio of the order of substantially 12 : 1,  $\pm$  35% (i.e. 12 parts of plasticizer for 1 part of polyvinyl chloride with the variation of  $\pm$  35% in either case).

CLASS 21B.

132035

PROCESS FOR THE MANUFACTURE OF SHOE-MATERIAL.

ARTOS DR. ING. MEIER-WINDHORST KOMMANDITGESELLSCHAFT OF 2 HAMBURG 1, HEIDENKAMPSWEG 66, GERMAN FEDERAL REPUBLIC.

Application No. 132035 filed July 8, 1971.

6 Claims.

A process for the manufacture of shoe material for making shoes from fibrous fleece which consists in shrinking the fleece by treatment with water for relieving the fleece impregnative the shrunk material with a binding material such as latex or polyurethane thereafter subjecting the same coagulation of said binding material and then to washing and drying and thereafter subjecting the same to a smoothing and fulling treatment by conventional methods and finally spraying with polyurethane solution before it is dried.

CLASS 155-B.

132268

METHOD OF APPLYING SYNTHETIC RESIN BINDER TO POROUS MATERIALS.

JOHNSON & JOHNSON, AT 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

Application No. 132268 filed July 27, 1971.

8 Claims—No drawings.

A method of applying a synthetic resin binder to porous materials viz. a fibrous web of overlapping, intersecting fibers and controlling its migration thereon which comprises applying to the porous materials, a resin binder composition comprising (1) a stable, colloidal aqueous resin dispersion as herein described, having an alkaline pH; (2) a water-soluble, polymeric carboxylic synthetic resin; and (3) a metal ammine complex coordination compound; and substantially immediately diluting said dispersion with an aqueous medium whereby a metal cation is released from said metal amine complex coordination compound, to substantially immediately destroy the stability of said dispersion and coagulate said resin with a minimum of migration on said fibrous web.

CLASS 12C.

132451

PROCESS OF SURFACE-HARDENING WORK-PIECES OF HARDENABLE ALLOYS OF IRON AND STEEL.

GEBR. BOHLER & CO. AKTIENGESELLSCHAFT, ELISABETHSTRASSE 12, VIENNA 1, AUSTRIA.

Application No. 132451 filed August 10, 1971.

8 Claims.

A two-stage process of surface-hardening workpieces of hardenable alloys of iron and steel, characterized in

that a cold plasma is used to supply energy at a uniform rate into the work-piece during the treatment to produce elemental surface areas which consists of metastable austenite as hereinbefore defined and have constant cross-sectional shapes and constant properties and said plasma conductively closes a circuit operated at a constant high frequency.

CLASS 104-P.

132503

METHOD OF MAKING A VULCANISATE OF A BLEND OF LOW AND HIGH UNSATURATED RUBBERS EMPLOYING A LONG CHAIN NON-AROMATIC HYDROCARBON DITHIOCARBAMATE AS ACCELERATOR.

UNIROYAL, INC. OF 1230 AVENUE OF THE AMERICAS, NEW YORK 10020, IN THE COUNTY AND STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 132503 filed August 16, 1971.

22 Claims.

A method of making a vulcanizate characterized by subjecting to conventional vulcanizing conditions a composition comprising a blend of a rubber of low unsaturation such as herein described and a rubber of high unsaturation such as herein described, containing sulfur as a curative and, as an accelerator, a salt of a long chain non-aromatic hydrocarbon dithiocarbamate, each of the non-aromatic hydrocarbon moieties of which has from at least 8 to 30 carbon atoms.

Class 65B.

132539

A DEVICE FOR LATCHING THE TOP PLATE TO THE MAIN BODY OF A TRANSFORMER OR THE LIKE.

TRILOK CHANDRA GOEL, B-6, OFFICERS' COLONY, BULANDSHAHAR (U.P.).

Application No. 132539 filed August 17, 1971.

2 Claims.

A device for latching internally the top-plate to the main body of a transformer or the like in which on the underside of the top-plate is mounted a central spindle on which a collar welded to a circular plate provided with four levers can rotate freely resulting in outward or inward movement of the levers, the rotation of the circular plate being controlled through an armature having a plunger and fixed to the collar which armature under tension of a spring remains in such a position that the four levers stay outward but move inward when the armature is attracted on energisation of an electromagnet or a solenoid mounted below the top-plate, the whole arrangement being such that when the solenoid is energised, the top-plate fixed to the transformer body and then the solenoid de-energised, the four levers project out under corresponding four stoppers welded to the sides of the transformer body just above the lever ends and thus the top-plate remains latched internally and cannot be removed, but if the appropriate electrical voltage is applied to the outside terminals from the solenoid, the plunger of the armature is attracted towards the electromagnet or the solenoid moving in the four levers with the result the latches are released for removing the top plate.

CLASS 40C and 55F.

133394

PLANT GROWTH REGULATING COMPOSITIONS.

AMCHEM PRODUCTS, INC. AT BROOKSIDE AVENUE, AMBLER, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 133394 filed October 28, 1971.

22 Claims.

An aqueous latex-stimulating composition containing, as an active ingredient, from 1 to 20% by weight of

one or more phosphonic acid derivatives conforming to the general formula I (where R' is a vinyl, allyl, haloethyl, halopropyl, methoxyethyl, carboxymethyl or phosphonoethyl group, and/or the corresponding acid chlorides and/or anhydrides and/or amides and/or hydrolyzable mono- and diesters and/or salts thereof), said composition having a viscosity of at least 1,000 centipoises, and either containing in addition from 0.5 to 10% by weight of a polysaccharide gum as a thickening agent; or containing in addition from 3 to 12% by weight of an emulsifying agent, and being in the form of an invert (water-in-oil) emulsion, the continuous phase being a vegetable fat or oil.

CLASS 126D.

133516

IMPROVED PROCESS FOR MAKING ELECTRICAL RESISTANCE STRAIN GAUGE.

(S.M.T.) KAMAL SHARMA, OF C-3, SHANTI-NAGAR, CITY & P.O. ROORKEE, DISTRICT SAHARANPUR, UTTAR PRADESH, INDIA.

Application No. 133516 filed November 6, 1971.

1 Claim.

An improved process for making an electrical resistance strain gauge comprising of a base-plate (1) which is provided with two side strips (2) for clamping the high resistance-wire (4) suitably spaced by the spacing-shim (3) wherein the length of the gauge is marked on the base-plate (1) and at the gauge length mark, low-resistance-material (7) is either soldered or welded and two leads (6) as shown in fig. 6 are also soldered or welded at the two out side high-resistance wire (4), the low-resistance-material (7) is cut off to form a loop shown in fig. 5; the entire grid is packed between two backing papers (8) with a suitable adhesive and finally cut to form a strain gauge after the same is dried.

CLASS 32F<sub>3</sub>d.

133766

PROCESS OF RECOVERING PURE MALEIC ANHYDRIDE.

METALLGESELLSCHAFT AG., OF 6 FRANKFURT AM MAIN, REUTERWEG 14, WEST GERMANY AND VEBA-CHEMIE AG., OF 4660 GELSENKIRCHEN-BUER, DORSTENER STRASSE 277, WEST GERMANY.

Application No. 133766 filed November 26, 1971.

6 Claims.

A process of recovering pure maleic anhydride from raw maleic anhydride, which has been made by an oxidation of benzene or C<sub>4</sub> hydrocarbons that has been formed by a direct condensation of maleic anhydride and/or by a dehydration of maleic acid without entrainer, a desiccant, characterised in that the process is carried out continuously in steps in such a manner that in a first step maleic acid is decomposed by heat into maleic anhydride and water and fore running is separated, and in the second step pure maleic anhydride is continuously distilled off overhead.

CLASS 36A—1+2+3 and

B—1+2+3.

134543

FLUID PUMP.

MARINE SYSTEMS, INC., AT CITY OF WICHITA, STATE OF KANSAS, UNITED STATES OF AMERICA.

Application No. 134543 filed February 8, 1972.

10 Claims.

A fluid pump comprising a rotatable duct section having a cylindrical interior wall and a plurality of curved internal impeller blades attached to the wall to rotate with the duct section for axial movement of fluid

through the duct section, said impeller blades being axially disposed within the duct section and positioned uniformly on the interior wall of the duct at oppositely disposed angles from the axis of the duct section, said blades being tapered from a thicker portion adjacent the interior wall to a thinner edge portion, and generally helical in contour, and having a smoothly formed curvilinear edge smoothly coinciding with the interior duct wall and generally semi-elliptical in shape, said duct section having inlet and outlet portions, means for coupling the inlet and outlet portions to fluid conduits, and power means coupled to the duct section for rotating the duct.

CLASS 152E.

135436

IMPROVED RESIN BINDER COMPOSITIONS, USEFUL FOR BINDING A FIBROUS WEB.

JOHNSON & JOHNSON, AT 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

Application No. 1391/Cal/73 filed June 13, 1973.  
Division of Application No. 132268 filed July 27, 1971.

8 Claims—No drawings.

A synthetic resin binder composition for bonding a fibrous web of overlapping, intersecting fibers which comprises (1) a stable, colloidal aqueous resin dispersion as herein described having an alkaline pH (2) a water-soluble, polymeric carboxylic synthetic resin; and (3) a metal ammine complex coordination compound.

CLASS 28A.

135437

IMPROVEMENTS IN OR RELATING TO BURNERS FOR PRESSURE STOVES, BLOWLAMPS OR THE LIKE APPARATUS.

GOVINDBHAI GORDHANBHAI PATEL OF NIGO'S NIKETAN, PATEL COMPOUND, 48-B, LAMINGTON ROAD, (NORTH), BOMBAY-8,

STATE OF MAHARASHTRA, INDIA.

Application No. 441/1972 filed June 7, 1972.

8 Claims.

An improved burner for an apparatus of the type specified, in which kerosene or the like liquid fuel under pressure is caused to vaporise before issuing from a jet to be burnt for heating or lighting purpose, the said burner mainly comprising a fuel inlet pipe or feed pipe, a vaporising chamber and a fuel outlet pipe or a vapour pipe with a gas outlet nipple forming the said jet for issuing the vaporised fuel, characterised in that a partially closed wall is provided inside the said vaporising chamber, in-between the said fuel inlet pipe and the said fuel outlet pipe, for diverting the liquid fuel entering from the fuel inlet pipe to the vaporising chamber, the said fuel absorbing more heat and is adapted to be vaporised as it enters the outlet pipe to turn into a complete combustible state before reaching the jet of the said outlet pipe, for increasing the thermal efficiency of the said burner.

CLASS 154A.

135438

A PROCESS FOR PRODUCING A PLASTIC RELIEF IMAGE PRINTING PLATE.

DYNA-FLEX CORPORATION, OF 2300 SOUTH 3600 WEST, SALT LAKE CITY, UTAH, UNITED STATES OF AMERICA

Application No. 1637/Cal/73 filed July 12, 1973.  
Division of Application No. 133005 filed September 22, 1971.

5 Claims—No drawings.

A Process for producing a plastic relief image printing plate comprising the steps of mixing an emulsion poly-

vinyl acetate, polyvinyl alcohol, and dibutyl phthalate; distilling the emulsion to remove approximately about 20%, by weight, of the water therefrom; cooling the mixture to about 70°F; mixing dichromate into the emulsion; spreading an even coat of said emulsion over a sheet of durable, flexible, carrier material, as herein described, whereby said emulsion adheres thereto; drying said emulsion; and subjecting said emulsion to a vacuum to remove excess water therefrom.

CLASS 179G.

135439

IMPROVEMENTS RELATING TO CONTAINER CLOSURES.

THE METAL BOX COMPANY LIMITED, OF 37 BAKER STREET, LONDON, W1A 1AN, ENGLAND.

Application No. 1206/1972 filed August 18, 1972.

Convention date August 20, 1971 (39134/71) U. K.

50 Claims.

A closure for an orifice of a container, said closure being of resilient plastics material and having a pull tab and, extending transversely to the plane of, and integral with, the pull tab, a plug portion adapted to be inserted in an orifice of a container wall and having a free end, the closure being so dimensioned that, when the free end of the plug portion is sealingly upset behind the container wall so as to deform said free end into a rivet head having a flange sealingly securing the plug portion in the orifice, an outward tensile force applied to the pull tab in a direction such as to tend to dislodge the plug portion from the orifice causes the rivet head flange to become severed from the remainder of the plug portion and the latter to be so dislodged outwardly.

#### OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Ashok Metal Industries to the grant of a patent on application No. 129244 made by Mancha Philipose Thomas.

(2)

An opposition has been entered by Centron Industrial Alliance Private Limited to the grant of a patent on application No. 130666 made by Harbans Lall Malhotra & Sons Private Ltd.

(3)

An opposition has been entered by Sharpedge Limited to the grant of a patent on application No. 130666 made by Harbans Lall Malhotra & Sons Private Ltd.

#### PATENTS SEALED

127398 127445 127497 127510 127550 127551 127560  
127561 127562 127970 128055 128079 128193 132578  
132592

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Alliance Private Limited to the grant of a patent on the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

86597—M/s. Amphenol Corporation.

97811—Rameshbhai Ramanlal Parikh Esq.

72635—M/s. Hooker Chemical Corporation.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section

87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	<i>Title of the invention</i>	
110292 (19-4-67)	Process for the manufacture of food containing yeasts.	110538 (5-5-67) Process for manufacture alcohols by oxidation of hydrocarbons.
110298 (19-4-67)	Fungicidal compositions containing 2-benzimidazolecarbamic acid alkyl esters.	110546 (24-8-66) Catalyst composition and method of preparing unsaturated aldehydes and acids using them.
110303 (20-4-67)	Process for the production of heavy metal-containing formazane azo dyestuffs.	110550 (6-5-67) New azine dyestuffs, processes for the manufacture and synthetic materials coloured therewith.
110305 (21-4-66)	Refining molten metals.	110553 (6-5-67) Process and apparatus for separating liquid from a gas.
110321 (4-5-66)	Process for the manufacture of 2-trifluoromethylbenzimidazoles and 2-trifluoromethylimidazopyridines.	110578 (9-5-67) Process for producing copolymers.
110373 (25-4-67)	Process for the production of a cavity filling composition.	110588 (10-5-67) Process for the production of predominant carbon monoxide and/or hydrogen containing gases out of solid fuels.
110396 (26-4-67)	Improved process for the culture of algae and apparatus therefor.	110592 (10-5-67) A method for manufacturing chlorinated hydrocarbons.
110397 (26-4-67)	A method for pelletizing gypsum.	110604 (11-5-67) A process relating to the disproportionation of toluene or coke-oven benzole and petroleum fraction enriched in toluene into benzene and a mixture of ortho-, meta- and para-xylenes.
110399 (26-4-67)	Process for the floatation of metal oxides.	110609 (18-6-66) Process for preparing potato products.
110403 (26-4-67)	Process for the manufacture of asphalt stabilized composition.	110610 (16-8-66) Process for preparing potato products.
110407 (26-4-67)	Method and apparatus for the continuous preparation of an aqueous ammoniated phosphate composition.	110618 (25-5-66) A method of desalinating water.
110418 (15-11-65)	Process for preparation of new aromatic phosphoric or phosphonic acid esters.	110626 (12-5-67) Process for the production of a thermostable crystal form of a bis-triazinylamino-stilbene derivative and a solid detergent containing the same.
110421 (28-4-67)	Process for the preparation of thio cyanates.	110674 (16-5-67) Pesticidal preparations.
110428 (28-4-67)	Process for producing $\beta$ -methylmercapto-propionaldehyde.	110703 (18-5-67) A method for manufacturing highly pure gypsum.
110430 (29-4-66)	Method of treating titaniferrous materials.	110718 (19-5-67) Method for preparing soluble glycol methacrylate polymers and copolymers.
110434 (28-4-67)	Process for the production of particulate detergent composition of low bulk density.	110724 (19-5-67) A process for the preparation of alanine by submerged fermentation.
110441 (29-4-67)	Process for the manufacture of high purity common salt by solar evaporation of brines.	110728 (19-5-67) Treatment of aqueous liquids.
110465 (1-5-67)	New Water-soluble monoazo dyestuffs and process for preparing them.	110748 (23-5-66) Process for refining molten carbon-containing ferrous metals and apparatus therefor.
110477 (2-5-67)	Method of controlling the surface area of furnace carbon black.	110753 (22-5-67) A process for preparing charcoal from sawdust moldings and an apparatus therefor.
110496 (3-5-67)	Process of E, E'-bis (E-caprolactam) and the preparation of polyamide from this substance.	110761 (22-5-67) A method for the production of insulating composition.
110501 (3-5-67)	Improvements in the production of brightening agents of the bis-triazinyl-amino-stilbene series.	110762 (22-5-67) Process for making polymers of vinyl-aryl monomers.
110502 (3-5-67)	Process for the purification of $\alpha$ -amino lactam.	110772 (2-6-66) Oxydehydrogenation process.
110531 (5-5-67)	Process for the production of heavy metal containing azo dyestuffs, dyeing organic material therewith and the material so dyed.	110781 (23-5-67) Improvements in the purification of nitriles.
110537 (5-5-67)	New azo dyestuffs and new amines, process for their manufacture and materials dyed or pigmented with the dyestuff	110784 (23-5-67) Process for the production of N-substituted phthalimides, phthalimides so produced and fungicidal compositions containing the same.
		110787 (24-5-67) Water-soluble monoazo-dyestuff, process for its preparation and textile material printed or dyed with said dyestuff.
		110798 (26-5-66) Oil-based polyolefine composition and a sprayable pesticidal water-in-oil emulsion.

## RENEWAL FEES PAID

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## CESSATION OF PATENTS

(1)

119265	119270	119275	119276	119280	119281	119285
119292	119293	119297	119298	119299	119304	119305
119312	119315	119330	119331	119342	119348	119367
119372	119374	119389	119393	119399	119400	119402
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(2)

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121338	121354					

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under section 60 of the Patents Act, 1970 for the restoration of Patent No. 112694 granted to Vasudevan Vinaya Babu for an invention relating to "positive displacement rotary pump." The Patent ceased on the 7th October, 1972 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11th August, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th November, 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Class 1. No. 140536. Tuljaram Harishchandra Yadav, a citizen of India, 14-1-126, Seetarampet, Hyderabad (Andhra Pradesh), "Electric fan", January 3, 1973.

Class 1. Nos. 140564 and 140565. Abdul Ghani (An Indian Subject) Trading as M/s. Abdul Ghani Abdul Majid, Behind G. B. Road, Katra Rajji, Delhi-6, "Hasp fastener", January 15, 1973.

Class 1. Nos. 140566 and 140567. Abdul Ghani (An Indian Subject) Trading as M/s. Abdul Ghani

Abdul Majid, Behind G. B. Road, Katra Rajji, Delhi-6, "Handle", January 15, 1973.

Class 3. No. 140496. Johannes Jurgens Venter, a citizen of the Republic of South Africa, 18 Malan Street, Riviera, Pretoria, Transvaal, Republic of South Africa, "A assembly of fasteners", December 21, 1972.

Class 3. No. 140507. Satyawan Prasad Gupta, Plot No. 45/3, Sahibabad Industrial Estate Site 4, Ghaziabad, U.P., India, an Indian National, "Sole and heel for shoe", December 28, 1972.

Class 3. No. 140520. Pleasantime Products, 4 Wadala Udyog Bhavan, Naigaum Cross Road, Wadala, Bombay-31, Maharashtra, India, an Indian Partnership concern, "Toy house", January 1, 1973.

Class 3. No. 140656. Nandlal Girdharilal Vihani, 680 Sardar Pura, Road No. 10-D, Jodhpur, Rajasthan State, India, Indian national, "Cigarette packet container made of plastic", February 3, 1973.

Class 3. No. 140672. Aqua Stills, 6-3-1186 Raj Bhavan Road, Begumpet, Hyderabad, (A.P.), An Indian Proprietary concern, "Bottle", February 19, 1973.

Class 3. No. 140769. Rajpal Plastic Industries, (An Indian Partnership Firm), 303, Neelkanth, 98, Marine Drive, Bombay-2, (Maharashtra), "Brush", March 19, 1973.

Class 3. No. 140770. Metal India Industries, (An Indian Partnership Firm), 267, Janjikar Street, Bom-  
bay-2, (Maharashtra), "Gas lighter", March 19, 1973.

Class 3. No. 140776. Rocklite Fibreglass Industries, Wagle Estate, Thana, Maharashtra, India, an Indian Partnership firm duly registered under the Indian Partnership Act, "A frame of a mirror for dressing purposes", March 22, 1973.

Class 3. No. 140858. Mrs. Shreedevi Jayant Shah, An Indian Citizen, Gandabhai Morarji Bldg, Tithal Cross Road, Bulsar, Gujarat, India, "Bottle-cum-cork opener", April 16, 1973.

Class 3. No. 140887. Chandrakant Somabhai Patel, An Indian Citizen, 19, Sampatrao Colony Baroda-5, Gujarat, India, "A container", April 27, 1973.

Class 4. No. 140641. Motor Industries Co., Ltd., Hosur Road, Adugodi, Bangalore-560030, Mysore, India, an Indian Company, "A spark plug", February 1, 1973.

Class 10. No. 140508. Satyawan Prasad Gupta, Plot No. 45/3, Sahibabad Industrial Estate Site 4, Ghaziabad, U.P., India, an Indian National, "Shoe", December 28, 1972.

Class 10. No. 140842. Bata Shoe Company Private Limited, a private limited company incorporated under the Indian Companies Act and having its registered Office at 30, Shakespeare Sarani in the town of Calcutta, West Bengal, "A sandal", April 12, 1973.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks.